

Title (en)
DRIVE ARRANGEMENT FOR A WEAVING LOOM AND SHEDDING MACHINE

Title (de)
ANTRIEBSANORDNUNG FÜR EINE WEBMASCHINE UND FACHBILDEMACHINE

Title (fr)
ENSEMBLE D'ENTRAÎNEMENT POUR UN METIER A TISSER ET UN MECANISME DE FORMATION DE LA FOULE

Publication
EP 1366225 B1 20050713 (DE)

Application
EP 01270643 A 20011122

Priority
• DE 0104412 W 20011122
• DE 10061717 A 20001212

Abstract (en)
[origin: EP1486596A2] Flywheel sections (5.4, 5.14) mounted on the main drive shaft (5.7) provide compensation. One section (5.14) acts directly on the shedding machine drive shaft (5.17). In an alternative, moment of inertia is added in the form of a flywheel on the main shaft with the electric motor drive (5, 5A). The drive for the loom is divided between several electric motor drives (5A) operating on the main shaft (5.7). The shedding machine drive the comprises at least one electric motor (5A) acting on the main drive shaft (5.7). In a further alternative arrangement, drive is transmitted through an indirect coupling (non-contacting), connecting it to the shedding machine drive shaft, during operation. The machine includes brakes. These are preferably integrated into the drive section, to bring the loom and shedding machine to rest. Further brakes (518) are allocated to the loom main drive shaft. A third braking system (519) operates on the shedding machine drive shaft. All electric motors sharing drive duty (5A) are connected to the controller for signal transmission. The drive equipment and its variants are further detailed.

IPC 1-7
D03C 1/14; **D03C 3/32**; **D03D 51/02**

IPC 8 full level
D03C 5/00 (2006.01); **D03C 1/14** (2006.01); **D03C 3/32** (2006.01); **D03C 13/00** (2006.01); **D03D 51/02** (2006.01)

CPC (source: EP US)
D03C 1/146 (2013.01 - EP US); **D03C 3/32** (2013.01 - EP US); **D03C 13/02** (2013.01 - EP US); **D03D 51/02** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0248438 A2 20020620; **WO 0248438 A3 20030925**; AT E299539 T1 20050715; CN 1489652 A 20040414; CN 1908269 A 20070207; CZ 20031924 A3 20040218; DE 10061717 A1 20020620; DE 10061717 B4 20060126; DE 50106742 D1 20050818; EP 1366225 A2 20031203; EP 1366225 B1 20050713; EP 1486596 A2 20041215; EP 1486596 A3 20050518; JP 2004514804 A 20040520; JP 3983670 B2 20070926; RU 2003121235 A 20050110; RU 2250276 C2 20050420; US 2004025956 A1 20040212; US 6962171 B2 20051108

DOCDB simple family (application)
DE 0104412 W 20011122; AT 01270643 T 20011122; CN 01808038 A 20011122; CN 200610126250 A 20011122; CZ 20031924 A 20011122; DE 10061717 A 20001212; DE 50106742 T 20011122; EP 01270643 A 20011122; EP 04021755 A 20011122; JP 2002550147 A 20011122; RU 2003121235 A 20011122; US 45010203 A 20030610